Doc code :IDS Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (03-08)
Approved for use through 03/31/2008. OMB 0651-0031
Ormation Disclosure Statement (IDS) Filed
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Application Number		10586271	
INFORMATION BIOOL COURS	Filing Date		2007-05-17	
INFORMATION DISCLOSURE	First Named Inventor	Shaor	meng Wang	
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		N/A	
(Notice submission under or or it not)	Examiner Name N/A			
	Attorney Docket Numb	er	UM-13017	

U.S.PATENTS Remove											
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue D)ate	Name of Pate of cited Docu	entee or Applicant ment	Releva		Lines where ges or Relev	
	1										
If you wish to add additional U.S. Patent citation information please click the Add button. Add											
			U.S.P.	ATENT	APPLIC	CATION PUBI	LICATIONS		Remove		
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publica Date	ition	Name of Pate of cited Docu	entee or Applicant ment	Releva		Lines where ges or Relev	
	1										
If you wis	h to ac	ld additional U.S. Publi	shed Ap	plication	citation	n information p	lease click the Add	button	Add		
FOREIGN PATENT DOCUMENTS Remove											
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²		Kind Code ⁴	Publication Date	Name of Patentee Applicant of cited Document	or -	where Rel	or Relevant	T5
	1										
If you wish to add additional Foreign Patent Document citation information please click the Add button Add									•		
NON-PATENT LITERATURE DOCUMENTS Remove											
Examiner Initials*	Cite No	Include name of the au (book, magazine, journ publisher, city and/or of	nal, seria	al, symp	osium,	catalog, etc), o					T5

Application Number		10586271		
Filing Date		2007-05-17		
First Named Inventor Shaor		meng Wang		
Art Unit		N/A		
Examiner Name N/A				
Attorney Docket Number		UM-13017		

	/N.	ď./	ADAMS, Jerry M., et al., "The Bcl-2 Protein Family: Arbiters of Cell Survival," Science, August 28, 1998, Vol. 281, pp. 1322-1326	
		2	ARNT, Christina R., et al., "Synthetic Smac/DIABLO Peptides Enhance the Effects by Binding XIAP and cIPA1 in situ," The Journal of Biological Chemistry," Vol. 277, No. 46, November 15, 2002, pp. 44236-44243	
	000000000000000000000000000000000000000	3	ASSELIN, Eric, et al., "XIAP Regulates Akt Activity and Caspase-3-dependent Cleavage during Cisplatin-induced Apoptosis in Human Ovarian Epithelial Cancer Cells," Cancer Research 61, pp. 1862-1868, March 1, 2001	
	300000000000000000000000000000000000000	4	BUDIHARDJO, I., et al., "Biochemical Pathways of Caspase Activation During Apoptosis," Annu. Rev. Cell. Dev. Biol. 1999, 15:269-90	
	000000000000000000000000000000000000000	5	CHAI, et al., "Structural Basis of Caspase-7 Inhibition by XIAP," Cell, Vol. 104, pp. 789-790, March 9, 2001	
	000000000000000000000000000000000000000	6	DEVERAUX, Quinn L., et al., "Cleavage of human inhibitor of apoptosis protein XIAP results in fragments with distinct specificities for caspases," The EMBO Journal Vol. 18, No. 19, pp. 5242-5251, 1999	
		7	DEVERAUX, Quinn L., et al., "IAP Family Proteins – Suppressors of apoptosis," Genes & Development 13:239-252 (1999)	
	30000000000000000000000000000000000000	8	DEVERAUX, Quinn L., et al., "X-linked IAP is a direct inhibitor of cell-death proteases," Nature 388:300 (1997)	
	***************************************	9	DU, Chunying, et al., "Smac, a Mitochondrial Protein that Promotes Cytochrome c-Dependent Caspase Activation by Eliminating IAP Inhibition," Cell, Vol. 102, 33-42, July 7, 2000	
	***************************************	10	EKERT, Paul G., "DIABLO Promotes Apoptosis by Removing MIHA/XIAP from Processed Caspase 9," Cell Biology, 152:483 (2001)	
M	/N.C	.11 }./	FULDA, Simone, et al., "Smac agonists sensitize for Apo2L/TRAIL- or anticancer drug-induced apoptosis and induce regression of malignant glioma in vivo," Nature Medicine, Vol. 8, No. 8, August 2002	

Application Number		10586271	
Filing Date		2007-05-17	
First Named Inventor Shaor		meng Wang	
Art Unit		N/A	
Examiner Name N/A			
Attorney Docket Number		UM-13017	

	/N.C	12 !./	HOFMANN, Hans-Stefan, et al., "Expression of inhibitors of apoptosis (IAP) proteins in non-small cell human lung cancer," J. Cancer Res. Clin. Oncol. (2002) 128:554-560	
000000000000000000000000000000000000000		13	HOLCIK, M., et al., "XIAP: Apoptotic brake and promising therapeutic target," Apoptosis, Vol. 6, No. 4 (2001), pp. 253-261.	
		14	HOLCIK, Martin, et al., "Translational upregulation of X-linked inhibitor of apoptosis (XIAP) increases resistance to radiation induced cell death," Onogene (2000) 19, pp. 4174-4177	
		15	HUANG, Yihua, et al., "Structural Basis of Caspase Inhibition by XIAP: Differential Roles of the Linker versus the BIR Domain," Cell Vol. 104, pp. 781-790, March 9, 2001.	
	000000000000000000000000000000000000000	16	KIPP, Rachel A., "Molecular Targeting of Inhibitor of Apoptosis Proteins Based on Small Molecule Mimics of Natural Binding Partners," Biochemistry (2002) 41, pp. 7344-7349	
		17	LACASSE, Eric C., et al., "The Inhibitors of apoptosis (IAPs) and their emerging role in cancer," Oncogene 17:3247 (1998)	
	222500000000000000000000000000000000000	18	LI, Julang, et al., "Human Ovarian Cancer and Cisplatin Resistance: Possible Role of Inhibitor of Apoptosis Proteins," Endocrinology, 142:370 (2001)	
	NOCOCCOCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	19	MCELENY, Kevin R., et al., "Inhibitors of Apoptosis Proteins in Prostate Cancer Cell Lines," The Prostate 51:133-140 (2002)	
	000000000000000000000000000000000000000	20	NG, Chuen-Pei, et al., "X-linked inhibitor of Apoptosis (XIAP) Blocks Apo2 Ligand/Tumor Necrosis Factor-related Apoptosis-inducing Ligand-mediated Apoptosis of Prostate Cancer Cells," Molecular Cancer Therapeutics, Vol. 1, pp. 1051-1058, October 2002	
	00000000000000000000000000000000000000	21	REED, John C., "BCL-2 Family Proteins: Regulators of Cell Death Involved in the Pathogenesis of Cancer and Resistance to Therapy," Journal of Cellular Biochemistry 60:23-32 (1996)	
***	N.C.	/22	REED, John C., "Bcl-2 Family Proteins: Strategies for Overcoming Chemoresistance in Cancer," Advances in Pharmacology, Vol. 41, (1997), pp. 501-532	

Application Number		10586271		
Filing Date		2007-05-17		
First Named Inventor Shaor		meng Wang		
Art Unit		N/A		
Examiner Name N/A				
Attorney Docket Number		UM-13017		

D000000	/N.()./ 23	RIEDL, Stefan J., et al., "Structural Basis for the Inhibition of Caspase-3 by XIAP," Cell, Vol. 104, pp. 791-800, March 9, 2001					
000000000000000000000000000000000000000		24	SALVESEN, Guy S., et al., "IAP Proteins: Blocking the Road to Death's Door," Molecular Cell Biology, Vol. 3, June 2002, pp. 401-410					
000000000000000000000000000000000000000		25	SRINIVASULA, Srinivasa, et al., "A conserved XIAP-interaction motif in caspase-9 and Smac/DIABLO regulates caspase activity and apoptosis," Nature, Vol. 410, March 1, 2001, pp. 112-116					
		26	SRINIVASULA, Srinivasa, et al., "Molecular Deteminants of the Caspase-promoting Activity of Smac/DIABLO and Its Role in the Death Receptor Pathway," The Journal of Biological Chemistry, Vol. 275, No. 46, November 17, 2000, pp. 36152-36157					
		27	SUN, Chaohong, et al., "NMR structure and mutagenesis of the inhibitor-of-apoptosis protein XIAP," Nature, Vol. 401, October 21, 1999					
		28	TAKAHASHI et al., "A Single BIR Domain of XIAP Sufficient for Inhibiting Caspases," The Journal of Biological Chemistry, Vol. 273, No. 14, April 3, 1998, pp. 7787-7790					
	ZZZGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	29	TAMM, Ingo, et al., "Expression and Prognostic Significance of IAP-Family Genes in Human Cancers and Myeloid Leukemias," Clinical Cancer Research, Vol. 6, pp. 1796-1803, May 2000					
	000000000000000000000000000000000000000	WU, Geng, et al., "Structural basis of IAP recognition by Smac/DIABLO," Nature, Vol. 408, December 2000, pp. 1008-1012						
1	YANG, Lilling, et al., "Predominant Suppression of Apoptosome by Inhibitor of Apoptosis Protein in Non-Small Cell Lung Cancer H460 Cells: Therapeutic Effect of a Novel Polygarginine-conjugated Smac Peptide," Cancer Research 63, pp. 831-837, February 15, 2003							
If yo	If you wish to add additional non-patent literature document citation information please click the Add button Add							
	EXAMINER SIGNATURE							
Exa	miner	Signa	ture /Nizal Chandrakumar/ Date Considered					
			itial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a conformance and not considered. Include copy of this form with next communication to applicant.					

Application Number		10586271		
Filing Date		2007-05-17		
First Named Inventor Shaor		meng Wang		
Art Unit		N/A		
Examiner Name N/A				
Attorney Docket Number		UM-13017		

¹ See Kind Codes of USPTO Patent Documents at <u>www.USPTO.GOV</u> or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.